

CHAPTER 2

PRELIMINARY ITEMS REQUIRED

2-1. Requirements

In order to perform an accurate FMECA, the team must have some basic resources to get started.

a. These basic resources are:

- (1) Schematics or drawings of the system.
- (2) Bill of materials list (for hardware only)
- (3) Block diagram which graphically shows the operation and interrelationships between components of the system defined in the schematics. (See figures 3-4 & 3-5)
- (4) Knowledge of mission requirements
- (5) An understanding of component, subsystem, & systems operations

b. Once the team has all of these resources available to them, the analysis can proceed. The team leader should organize a meeting place for all team members with enough space to display schematics, block diagrams or bill of materials for all members to view. Setting the ground rules and establishing the goals of the mission should be discussed at the first meeting.

2-2. Goals

Questions from all participants should be addressed. It is essential to the analysis that all "gray" areas concerning the goal(s) of the analysis should be clarified early on. For the analysis to be successful, all team members must be cooperative and have a positive outlook regarding the goals of the analysis.